CLAIMS

Having thus described our invention, what we claim as new and desire to secure by Letters Patent is as follows:

1. A method for extracting and reformatting web page content into a format readable on a mobile device, comprising the steps of:

1) providing a secure connection between a mobile device and a proxy server;

2) generating a user request from the mobile device to the proxy server for a web page having a first format, wherein the web page resides on an origin web server;

3) forwarding the user request from the proxy server to the origin web server;

4) receiving at the proxy server the web page from the origin web server;

5) extracting at the proxy server desired content from the web page;

6) reformatting the desired content in accordance with at least one predefined transform; and

7) transmitting to the mobile device the desired content using the secure connection.

2. The method according to claim 1 wherein said step 5 of extracting comprises the steps of:

a) identifying portions of source code corresponding to the desired content of the web page, wherein the source code is comprised of objects; and

b) creating at least one expression using at least one predefined extraction method, wherein the expression extracts an object referenced in the at least one expression.

3. The method according to claim 2, further comprising the step of storing the reformatted web page in a cache prior to said step 7) of transmitting.

4. The method according to claim 2, further comprising the step of storing the web page having the first format in a cache prior to said step 5) of extracting.

5. The method according to claim 1 wherein said step 6 of reformatting is applied in accordance with predetermined instructions for at least two mobile devices having a predefined common characteristic.

6. The method according to claim 5 wherein the predefined characteristic is at least one of a type of operating system, a type of browser, and a manufacturer.

7. The method according to claim 1 wherein said step 6 of reformatting is applied in accordance with predetermined instructions to a particular mobile device.

8. The method according to claim 7 wherein the mobile device is defined by the manufacturer and model.

9. The method according to claim 1 wherein said step 6 of reformatting is applied in accordance with predetermined instructions for a particular web page.

10. The method according to claim 1 wherein said step 6 of reformatting is applied in accordance with predetermined instructions to all web pages.

11. The method according to claim 1 wherein the secure connection is a secure socket layer connection.

12. The method according to claim 1 further comprising the step of providing a secure connection between the proxy server and the origin web server.

13. The method according to claim 12 wherein the secure connection is a secure socket layer connection.

14. The method according to claim 1 wherein the at least one predefined transform of said reformatting step 6 comprises at least one of adding meta tag information to a header of the web page, adding a specific attribute and an attribute value to a specific tag associated with the web page, ignoring a previously specified global conversion, inserting text into the web page from a specified file, removing a specific attribute from all tags associated with the web page, removing a specific attribute from a specific tag associated with the web page, removing a comments tag from the web page, removing a portion of the content from the web page, removing a specific tag from the web page, removing a specific tag and all the information that appears within the tag from the web page, replacing a first tag associated with the web page with a second tag associated with the web page, setting a specific value of a specific attribute of a specific tag, stopping processing of subsequent reformatting commands, substituting a first sequence of text for a second sequence of text, and removing table formatting.

15. The method according to claim 1 wherein the secure connection provided in said step 1 is between a gateway operatively communicable with the mobile device and the proxy server.

16. A method for extracting and reformatting web page content into a format readable on a mobile device, comprising the steps of:

1) providing a decorated uniform resource locator (URL) to connect a mobile device to an origin web server via a proxy server;

2) generating a user request from the mobile device to the proxy server for a web page having a first format, wherein the web page resides on the origin web server;

3) forwarding the user request from the proxy server to the origin web server;

4) receiving at the proxy server the web page from the origin web server;

5) extracting at the proxy server desired content from the web page;

6) reformatting the desired content in accordance with at least one predefined transform; and

7) transmitting to the mobile device the desired content.

17. The method according to claim 16 further comprising the step of providing a secure connection between the mobile device and the proxy server.

18. The method according to claim 17 wherein the secure connection includes a gateway operatively communicable with the mobile device and the proxy server.

19. The method according to claim 17 wherein the secure connection is a secure socket layer connection.

20. The method according to claim 17 further comprising the step of providing a secure connection between the proxy server and the origin web server.

21. The method according to claim 20 wherein the secure connection is a secure socket layer connection.

22. The method according to claim 16 wherein the at least one predefined transform comprises at least one of adding meta tag information to a header of the web page, adding a specific attribute and an attribute value to a specific tag associated with the web page, ignoring a previously specified global conversion, inserting text into the web page from a specified file, removing a specific attribute from all tags associated with the web page, removing a specific attribute from a specific tag associated with the web page, removing a comments tag from the web page, removing a portion of the content from the web page, removing a specific tag from the web page, removing a specific tag and all the information that appears within the tag from the web page, replacing a first tag associated with the web page with a second tag associated with the web page, setting a specific value of a specific attribute of a specific tag, stopping processing of subsequent reformatting commands, substituting a first sequence of text for a second sequence of text, and removing table formatting.

23. A method for extracting and reformatting web page content into a format readable on a mobile device, comprising the steps of:

1) generating a user request from the mobile device to a proxy server for a web page having a first format, wherein the web page resides on an origin web server;

2) forwarding the user request from the proxy server to the origin web server;

3) receiving at the proxy server the web page from the origin web server;

4) extracting at the proxy server desired content from the web page;

5) reformatting the desired content in accordance with at least one predefined transform associated with the mobile device, the predefined transforms comprising at least one of adding meta tag information to a header of the web page, adding a specific attribute and an attribute

value to a specific tag associated with the web page, ignoring a previously specified global conversion, inserting text into the web page from a specified file, removing a specific attribute from all tags associated with the web page, removing a specific attribute from a specific tag associated with the web page, removing a comments tag from the web page, removing a portion of the content from the web page, removing a specific tag from the web page, removing a specific tag and all the information that appears within the tag from the web page, replacing a first tag associated with the web page with a second tag associated with the web page, setting a specific value of a specific attribute of a specific tag, stopping processing of subsequent reformatting commands, substituting a first sequence of text for a second sequence of text, and removing table formatting; and

6) transmitting to the mobile device the desired content using the secure connection.

24. The method according to claim 23 wherein said extracting step 4 comprises the steps of:

a) identifying portions of source code corresponding to the desired content of the web page, wherein the source code is comprised of objects; and

b) creating at least one expression using at least one predefined extraction rule, wherein the expression extracts an object referenced in the at least one expression.

25. The method according to claim 24, further comprising the step of storing the reformatted web page in a cache prior to said step 6 of transmitting.

26. The method according to claim 24, further comprising the step of storing the web page having the first format in a cache prior to said step 6 of extracting.

27. The method according to claim 23 wherein said step 5 of reformatting is applied in accordance with predetermined instructions for at least two mobile devices having a predefined common characteristic.

28. The method according to claim 27 wherein the predefined characteristic is at least one of a type of operating system and a type of browser.

29. The method according to claim 23 wherein said step 5 of reformatting is applied in accordance with predetermined instructions to a particular type of mobile device.

30. The method according to claim 29 wherein the particular type of mobile device is defined by the manufacturer and model.

31. The method according to claim 23 wherein said step 5 of reformatting is applied in accordance with predetermined instructions for a particular web page.

32. The method according to claim 23 wherein said step 5 of reformatting is applied in accordance with predetermined instructions to all web pages.

33. A system for extracting and reformatting web page content into a format readable on a mobile device, comprising:

at least one mobile transmission device for generating a secure user request for a web page having a first format;

a proxy server that receives the user request, forwards the request to an origin web server, receives the requested web page having the first format from the origin web server, and extracts and reformats at least a

portion of the content from the web page having the first format for transmission to said at least one mobile transmission device.

34. The system according to claim 33 wherein said proxy server comprises:

a storage repository that contains at least one data file associated with each of said at least one mobile transmission device; and

a conversion engine that receives the requested web page and extracts and reformats at least a portion of the content from the web page having the first format for transmission to the at least one mobile device in accordance with one or more predetermined instructions in each of the at least one data file associated with each of the at least one mobile transmission device.

35. The system according to claim 34 further comprising a cache that stores the requested web page prior to transmitting the extracted and reformatted web content to said at least one mobile transmission device.

36. The system according to claim 33 wherein at least one of the data files is defined for at least two mobile devices having a predefined common characteristic.

37. The system according to claim 36 wherein the predefined characteristic is at least one of a type of operating system, a type of browser, and a manufacturer.

38. The system according to claim 33 wherein at least one of the data files is defined for a particular type of mobile device.

39. The system according to claim 38 wherein the particular type of

mobile device is defined by the manufacturer and model.

40. The system according to claim 33 wherein at least one of the data files is defined for a particular web page.

41. The system according to claim 33 wherein at least one of the data files is applied to all web pages.

42. The system according to claim 33 wherein the secure connection is provided by using a secure socket layer connection.

43. The system according to claim 33 wherein a secure connection is provided between said proxy server and the origin web server.

44. The system according to claim 43 wherein the secure connection is a secure socket layer connection.

45. The system according to claim 33 wherein the reformatting is done in accordance with at least one predefined transform associated with the at least one mobile device, the at least one predefined transform comprising at least one of adding meta tag information to a header of the web page, adding a specific attribute and an attribute value to a specific tag associated with the web page, ignoring a previously specified global conversion, inserting text into the web page from a specified file, removing a specific attribute from all tags associated with the web page, removing a specific attribute from a specific tag associated with the web page, removing a comments tag from the web page, removing a portion of the content from the web page, removing a specific tag from the web page, removing a specific tag and all the information that appears within the tag from the web page, replacing a first tag associated with the web page with a second tag associated with the web page, setting a

specific value of a specific attribute of a specific tag, stopping processing of subsequent reformatting commands, substituting a first sequence of text for a second sequence of text, and removing table formatting.

46. The system according to claim33 wherein said secure connection is provided via a gateway operatively communicable with said mobile device and said proxy server.

47. A system for extracting and reformatting web page content into a format is readable on a mobile device, comprising:

at least one mobile transmission device for generating a user request for a web page;

an origin web server that receives the user request;

a proxy server that transmits the user request to said origin web server using a decorated uniform resource locator (URL) connection, that receives the web page from said origin web server, and that extracts and reformats at least a portion of the content from the web page for transmission to at least one of said at least one mobile transmission device.

48. The system according to claim 47 wherein said proxy server comprises:

a storage repository that contains at least one data file associated with each of said at least one mobile transmission device; and

a conversion engine that receives the requested web page and extracts and reformats at least a portion of the content from the web page having the first format for transmission to the at least one mobile device in accordance with one or more predetermined instructions in at least one data file associated with each of the at least one mobile transmission device.

49. The system according to claim 48 further comprising a cache that stores the requested web page prior to transmitting the extracted and reformatted web content to said at least one mobile transmission device

50. The system according to claim 48 wherein at least one of the data files is defined for at least two mobile devices having a predefined common characteristic.

51. The system according to claim 50 wherein the predefined characteristic is at least one of a type of operating system, a type of browser, and a manufacturer.

52. The system according to claim 48 wherein at least one of the data files is defined for a particular mobile device model.

53. The system according to claim 52 wherein the particular mobile device is defined by at least the manufacturer and model.

54. The system according to claim 48 wherein at least one of the data files is defined for a particular web page.

55. The system according to claim 54 wherein at least one of the data files is applied to all web pages.

56. The system according to claim 47 wherein the reformatting comprises at least one of adding meta tag information to a header of the web page, adding a specific attribute and an attribute value to a specific tag associated with the web page, ignoring a previously specified global conversion, inserting text into the web page from a specified file, removing a specific attribute from

all tags associated with the web page, removing a specific attribute from a specific tag associated with the web page, removing a comments tag from the web page, removing a portion of the content from the web page, removing a specific tag from the web page, removing a specific tag and all the information that appears within the tag from the web page, replacing a first tag associated with the web page with a second tag associated with the web page, setting a specific value of a specific attribute of a specific tag, stopping processing of subsequent reformatting commands, substituting a first sequence of text for a second sequence of text, and removing table formatting.

57. The system according to claim 47 wherein the user request is a secure user request optionally provided by a gateway operatively communicable with at least one of said at least one mobile transmission device and said proxy server.

58. A computer readable medium storing instructions executable by a computer, the instructions instructing the computer to execute extracting and reformatting web page contents for subsequent transmission to a mobile device, said instructions comprising:

1) providing a secure connection between a mobile device and a proxy server;

2) generating a user request from the mobile device to the proxy server for a web page having a first format, wherein the web page resides on an origin web server;

3) forwarding the user request from the proxy server to the origin web server;

4) receiving at the proxy server the web page contents from the origin web server;

5) extracting at the proxy server desired content from the web page;

6) reformatting the desired content in accordance with at least one

predefined transform; and

7) transmitting to the mobile device the desired content using the secure connection.

59. The computer readable medium according to claim 58 wherein the secure connection is provided by the HypetText Transport Protocol (HTTPS).

60. The computer readable medium according to claim 58 wherein said extracting instructions comprise:

a) identifying portions of source code corresponding to the desired content of the web page, wherein the source code is comprised of objects; and

b) creating at least one expression using at least one predefined extraction rule, wherein the expression extracts an object referenced in the at least one expression.

61. The computer readable medium according to claim 60, further comprising instructions for storing the reformatted web page in a cache prior to transmitting.

62. The computer readable medium according to claim 60, further comprising instructions for storing the web page having the first format in a cache prior to extracting.

63. The computer readable medium according to claim 58 wherein said reformatting instructions are applied in accordance with predetermined instructions for at least two mobile devices having a predefined common characteristic.

64. The computer readable medium according to claim 63 wherein the predefined characteristic is at least one of a type of operating system, a type of

browser, and a manufacturer.

65. The computer readable medium according to claim 58 wherein said reformatting instructions are applied in accordance with predetermined instructions to a particular mobile device.

66. The computer readable medium according to claim 65 wherein the mobile device is defined by the manufacturer and model.

67. The computer readable medium according to claim 58 wherein said reformatting instructions are applied in accordance with predetermined instructions for a particular web page.

68. The computer readable medium according to claim 58 wherein said reformatting instructions are applied in accordance with predetermined instructions to all web pages.

69. The computer readable medium according to claim 58 wherein the secure connection is a secure socket layer connection.

70. The computer readable medium according to claim 58 further comprising instructions for providing a secure connection between the proxy server and the origin web server.

71. The computer readable medium according to claim 70 wherein the secure connection is a secure socket layer connection.

72. The computer readable medium according to claim 58 wherein the reformatting instructions comprise at least one of adding meta tag information to a header of the web page, adding a specific attribute and an attribute value

to a specific tag associated with the web page, ignoring a previously specified global conversion, inserting text into the web page from a specified file, removing a specific attribute from all tags associated with the web page, removing a specific attribute from a specific tag associated with the web page, removing a comments tag from the web page, removing a portion of the content from the web page, removing a specific tag from the web page, removing a specific tag and all the information that appears within the tag from the web page, replacing a first tag associated with the web page with a second tag associated with the web page, setting a specific value of a specific attribute of a specific tag, stopping processing of subsequent reformatting commands, substituting a first sequence of text for a second sequence of text, and removing table formatting.

73. The computer readable medium according to claim 58 further comprising instructions for providing the secure connection between a gateway operatively communicable with the mobile device and the proxy server.

74. A computer readable medium storing instructions executable by a computer, the instructions instructing the computer to execute extracting and reformatting web page contents for subsequent transmission to a mobile device, said instructions comprising:

1) providing a decorated uniform resource locator (URL) to connect a mobile device to an origin web server via a proxy server;

2) generating a user request from the mobile device to the proxy server for a web page having a first format, wherein the web page resides on the origin web server;

3) forwarding the user request from the proxy server to the origin web server;

4) receiving at the proxy server the web page contents from the origin web

server;

5) extracting at the proxy server desired content from the web page;

6) reformatting the desired content in accordance with at least one predefined transform; and

7) transmitting to the mobile device the desired content.

75. The computer readable medium according to claim 74 further comprising instructions for providing a secure connection between the mobile device and the proxy server.

76. The computer readable medium according to claim 75 wherein the HyperText Transport Protocol Secure (HTTPS) is utilized to provide the secure connection.

77. The computer readable medium according to claim 75 further comprising instructions for providing the secure connection between a gateway operatively communicable with the mobile device and the proxy server.

78. The computer readable medium according to claim 75 wherein the secure connection is a secure socket layer connection.

79. The computer readable medium according to claim 76 further comprising instructions for providing a secure connection between the proxy server and the origin web server.

80. The computer readable medium according to claim 79 wherein the secure connection is a secure socket layer connection.

81. The computer readable medium according to claim 74 wherein the

reformatting instructions comprise at least one of adding meta tag information to a header of the web page, adding a specific attribute and an attribute value to a specific tag associated with the web page, ignoring a previously specified global conversion, inserting text into the web page from a specified file, removing a specific attribute from all tags associated with the web page, removing a specific attribute from a specific tag associated with the web page, removing a comments tag from the web page, removing a portion of the content from the web page, removing a specific tag from the web page, removing a specific tag and all the information that appears within the tag from the web page, replacing a first tag associated with the web page with a second tag associated with the web page, setting a specific value of a specific attribute of a specific tag, stopping processing of subsequent reformatting commands, substituting a first sequence of text for a second sequence of text, and removing table formatting.

82. A computer readable medium for extracting and reformatting web page content into a format readable on a mobile device, the instructions instructing the computer to execute extracting and reformatting web page contents for subsequent transmission to a mobile device, said instructions comprising:

1) generating a user request from the mobile device to a proxy server for a web page having a first format, wherein the web page resides on an origin web server;

2) forwarding the user request from the proxy server to the origin web server;

3) receiving at the proxy server the web page contents from the origin web server;

4) extracting at the proxy server desired content from the web page;

5) reformatting the desired content in accordance with at least one predefined transform associated with the mobile device, the predefined

transforms comprising at least one of adding meta tag information to a header of the web page, adding a specific attribute and an attribute value to a specific tag associated with the web page, ignoring a previously specified global conversion, inserting text into the web page from a specified file, removing a specific attribute from all tags associated with the web page, removing a specific attribute from a specific tag associated with the web page, removing a comments tag from the web page, removing a portion of the content from the web page, removing a specific tag from the web page, removing a specific tag and all the information that appears within the tag from the web page, replacing a first tag associated with the web page with a second tag associated with the web page, setting a specific value of a specific attribute of a specific tag, stopping processing of subsequent reformatting commands, substituting a first sequence of text for a second sequence of text, and removing table formatting; and

6) transmitting to the mobile device the desired content using the secure connection.

83. The computer readable medium according to claim 82 further comprising instructions for providing a secure connection between the mobile device and the proxy server.

84. The computer readable medium according to claim 82 wherein the extracting instructions comprise:

identifying portions of source code corresponding to the desired content of the web page, wherein the source code is comprised of objects; and

creating at least one expression using at least one predefined extraction rule, wherein the expression extracts an object referenced in the at least one expression.

85. The computer readable medium according to claim 84, further comprising instructions for storing the reformatted web page in a cache prior to transmitting.

86. The computer readable medium according to claim 84, further comprising instructions for storing the web page having the first format in a cache prior to extracting.

87. The computer readable medium according to claim 82 wherein the reformatting instructions are applied in accordance with predetermined instructions for at least two mobile devices having a predefined common characteristic.

88. The computer readable medium according to claim 87 wherein the predefined characteristic is at least one of a type of operating system and a type of browser.

89. The computer readable medium according to claim 84 wherein the reformatting instructions are applied in accordance with predetermined instructions to a particular type of mobile device.

90. The computer readable medium according to claim 89 wherein the particular type of mobile device is defined by the manufacturer and model.

91. The computer readable medium according to claim 82 wherein the reformatting instructions are applied in accordance with predetermined instructions for a particular web page.

92. The computer readable medium according to claim 82 wherein the reformatting instructions are applied in accordance with predetermined

instructions to all web pages.

93. A method for extracting and reformatting visual content into a format readable on a mobile device, comprising the steps of:

1) providing a secure connection between the mobile device and a proxy server;

2) generating a user request from the mobile device to the proxy server for the content, wherein the content exists in a first format and resides on a content server;

3) forwarding the user request from the proxy server to the origin content server;

4) receiving at the proxy server the contents from the origin content server;

5) extracting at the proxy server a desired portion of the content;

6) reformatting the desired portion of the content in accordance with at least one predefined transform; and

7) transmitting to the mobile device the desired portion of the content using the secure connection.

94. The method according to claim 93 wherein the at least one predefined transform of said reformatting step 6 comprises at least one of adding meta tag information to a header of the content, adding a specific attribute and an attribute value to a specific tag associated with the content, ignoring a previously specified global conversion, inserting text into the content from a specified file, removing a specific attribute from all tags associated with the content, removing a specific attribute from a specific tag associated with the content, removing a comments tag from the content, removing a portion of the content from the content, removing a specific tag from the content, removing a specific tag and all the information that appears within the tag from the content, replacing a first tag associated with the content with a second tag associated with the content, setting a specific value of a specific attribute of a

specific tag, stopping processing of subsequent reformatting commands, substituting a first sequence of text for a second sequence of text, and removing table formatting.

95. The method according to claim 93 wherein said step 5 of extracting comprises the steps of:

a) identifying portions of source code corresponding to the desired content, wherein the source code is comprised of objects; and

b) creating at least one expression using at least one predefined extraction method, wherein the expression extracts an object referenced in the at least one expression.

96. A method for extracting and reformatting visual content into a format readable on a mobile device, comprising the steps of:

1) providing a decorated uniform resource locator (URL) to connect a mobile device to a content server via a proxy server;

2) generating a user request from the mobile device to the proxy server for the content, wherein the content exists in a first format and resides on a content server;

3) forwarding the user request from the proxy server to the content server;

4) receiving at the proxy server the content from the content server;

5) extracting at the proxy server a portion of the content;

6) reformatting the desired portion of the content in accordance with at least one predefined transform; and

7) transmitting to the mobile device the desired portion of the content.

97. The method according to claim 96 further comprising the step of providing a secure connection between the proxy server and the content server.

98. The method according to claim 96 wherein said step 5 of extracting comprises the steps of:

a) identifying portions of source code corresponding to the desired content, wherein the source code is comprised of objects; and

b) creating at least one expression using at least one predefined extraction method, wherein the expression extracts an object referenced in the at least one expression.

99. The method according to claim 96 wherein the at least one predefined transform comprises at least one of adding meta tag information to a header of the content, adding a specific attribute and an attribute value to a specific tag associated with the content, ignoring a previously specified global conversion, inserting text into the content from a specified file, removing a specific attribute from all tags associated with the content, removing a specific attribute from a specific tag associated with the content, removing a comments tag from the content, removing a portion of the content from the content, removing a specific tag from the content, removing a specific tag and all the information that appears within the tag from the content, replacing a first tag associated with the content with a second tag associated with the content, setting a specific value of a specific attribute of a specific tag, stopping processing of subsequent reformatting commands, substituting a first sequence of text for a second sequence of text, and removing table formatting.

100. A method for extracting and reformatting visual content into a format readable on a mobile device, comprising the steps of:

1) receiving at a proxy server a user request for the content from the mobile device via a secure connection, wherein the content resides on a content server;

2) forwarding the user request from the proxy server to the content server;

3) receiving at the proxy server the content from the origin web server;

4) extracting at the proxy server a portion of the desired content;

5) reformatting the desired portion of the content in accordance with at least one predefined transform; and

6) transmitting to the mobile device the desired content using the secure connection.

101. The method according to claim 100 wherein the at least one predefined transform of said reformatting step 5 comprises at least one of adding meta tag information to a header of the content, adding a specific attribute and an attribute value to a specific tag associated with the content, ignoring a previously specified global conversion, inserting text into the content from a specified file, removing a specific attribute from all tags associated with the content, removing a specific attribute from a specific tag associated with the content, removing a comments tag from the content, removing a portion of the content, removing a specific tag from the content, removing a specific tag and all the information that appears within the tag from the content, replacing a first tag associated with the content with a second tag associated with the content, setting a specific value of a specific attribute of a specific tag, stopping processing of subsequent reformatting commands, substituting a first sequence of text for a second sequence of text, and removing table formatting.

102. The method according to claim 100 wherein said step 4 of extracting comprises the steps of:

a) identifying portions of source code corresponding to the desired content of the web page, wherein the source code is comprised of objects; and

b) creating at least one expression using at least one predefined extraction method, wherein the expression extracts an object referenced in the at least one expression.

103. A method for extracting and reformatting web page content into a format readable on a mobile device, comprising the steps of:

1) receiving at a proxy server a user request, from a mobile device via a decorated uniform resource locator (URL), for the content, wherein the content resides on an origin web server, and wherein the decorated URL connects the mobile device to a content server via the proxy server;

2) forwarding the user request from the proxy server to the content server;

4) receiving at the proxy server the content from the content server;

5) extracting at the proxy server a desired portion of the content;

6) reformatting the desired portion of the content in accordance with at least one predefined transform; and

7) transmitting to the mobile device the desired content.

104. The method according to claim 103 wherein the at least one predefined transform comprises at least one of adding meta tag information to a header of the content, adding a specific attribute and an attribute value to a specific tag associated with the content, ignoring a previously specified global conversion, inserting text into the content from a specified file, removing a specific attribute from all tags associated with the content, removing a specific attribute from a specific tag associated with the content, removing a comments tag from the content, removing a portion of the content, removing a specific tag from the content, removing a specific tag and all the information that appears within the tag from the content, replacing a first tag associated with the content with a second tag associated with the content, setting a specific value of a specific attribute of a specific tag, stopping processing of subsequent reformatting commands, substituting a first sequence of text for a second sequence of text, and removing table formatting.

105. The method according to claim 103 wherein said step 5 of extracting

comprises the steps of:

a) identifying portions of source code corresponding to the desired content, wherein the source code is comprised of objects; and

b) creating at least one expression using at least one predefined extraction method, wherein the expression extracts an object referenced in the at least one expression.